

STEREO MOC Status Report
Time Period: 2010:291 - 2010:297

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 291, during the DSS 65 support, turbo decoder lock was lost briefly at 0503z due to a receiver anomaly. This resulted in the loss of several minutes of instrument SSR data. See DR# N106657 for more information.
- On day 293, during the DSS 55 support, turbo decoder lock was lost briefly at 0453z. This resulted in the loss of 12 frames of instrument SSR data. See DR# N106658 for more information.
- On day 295, during the DSS 63 support, turbo decoder lock was lost briefly at 0511z. This resulted in the loss of eight frames of instrument SSR data. See DR# N106666 for more information.
- On day 295, during the DSS 25 support, at 1125z, command uplink was delayed 24 minutes due to transmitter calibration anomaly. The antenna was off pointed to re-calibrate and was back on point at 1153z. At 1433z, the transmitter tripped off-line again. The antenna was off pointed again to re-calibrate and was back on point with the uplink enabled at 1450z. The transmitter tripped off-line for a third time at 1513z and was off-line for the remainder of the track. A cable was reseated to clear the anomaly. This resulted in the loss of approximately one hour of instrument SSR data. See DR# G110693, G110694, and G110695 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 291, during the DSS 25 support, the 60 hour soft command loss timer autonomy rule was re-enabled after the completion of the planned RIONet outage at APL.
- On day 291, during the DSS 25 support, the telemetry modulation index was changed from 0.78 to 0.83 radians in C&DH RAM for the space weather broadcast only. This was done to lengthen the use of the space weather signal reception at the NOAA stations.
- The average daily SSR playback volume for Ahead was 4.9 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 291, during the DSS 55 support, turbo decoder lock was lost briefly at 1817z. This resulted in the loss of several minutes of instrument SSR data. See DR# N106641 for more information.
- On day 292, during the DSS 26 support, turbo decoder lock was lost intermittently at 0157z for two minutes due to a combination of a subreflector antenna anomaly and rain at Goldstone. This resulted in the loss of several minutes of instrument SSR data. See DR# N106642 for more information.
- On day 293, during the DSS 26 support, turbo decoder lock was lost intermittently at 0141z for 15 minutes due to a combination of a subreflector antenna anomaly and rain at Goldstone. This resulted in the loss of approximately 30 minutes of instrument SSR data. See DR# N106643 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 291, during the DSS 55 support, the 60 hour soft command loss timer autonomy rule was re-enabled after the completion of the planned RIONet outage at APL.
- The average daily SSR playback volume for Behind was 4.6 Gbits during this week.